EPSON®
EXCEED YOUR VISION

Epson EB-G5450WU

MULTIMEDIA PROJECTOR

Brilliant, full HD, WUXGA resolution and precision control.

The Epson EB-G5450WU offers the ultimate projection solution for any auditorium or boardroom, even in ambient light. It ensures amazing image quality with 4000 lumens colour and white light output,[1] full HD WUXGA (1920 x 1200) resolution and C²Fine™ technology. Engineered to integrate with both IP and RS-232, the G5450WU works with industry-leading devices, offers easy remote monitoring and control functionality using Epson's Easy Management® software and is compatible with Crestron's RoomView. The G5450WU features DICOM simulation mode, ideal for use in medical education environments.

Bright, full HD performance — crystal-clear images with WUXGA resolution and C²Fine technology, plus 4000 lumens colour and white light output[1]

Complete networkability — wired and wireless (optional) Crestron RoomView compatible network connection, content over IP and message broadcasting

Enhanced connectivity — HDMI, DVI-D, VGA and multiple video and audio inputs

Multi-screen options — project two side-by-side images from different inputs, or up to four images from network users

Five lens options — interchangeable bayonet lens options, including short-throw, long-throw and rear-projection; plus horizontal/vertical lens shift for flexible setup configurations

Epson EB-G5450WU
MULTIMEDIA PROJECTOR

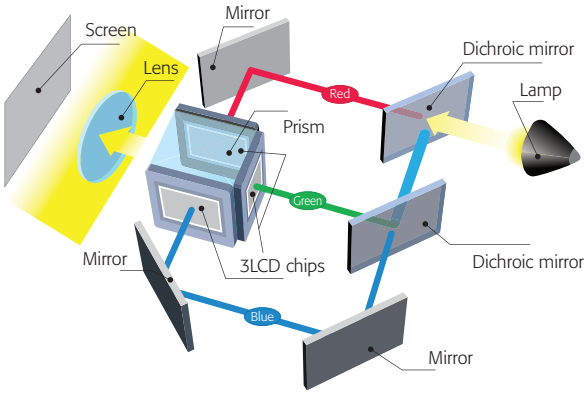
The best-selling projectors in the world.

Epson understands business and education and has a solution no matter what your situation. Built with image quality and reliability in mind, Epson projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From long-throw projectors to ultra-short-throw and all-in-one solutions, Epson has the model made for you.

Brilliant image quality

3LCD technology — for quality and colour that's beyond amazing

- 3 chips for full-time, vibrant colour
- 25% less electricity required per lumen of brightness when compared to 1-chip DLP projectors[2]
- Over 20 years of road-tested reliability built into every projector



3LCD technology

Amazing colour light output

Rich colour and detail are critical for presentations — that's why it's important to understand that colour light output is an essential ingredient in achieving optimum performance. The G5450WU delivers 4000 lumens of colour light output and 4000 lumens of white light output[1] for bright, vibrant colourful images.

C²Fine technology delivers a higher contrast ratio

C²Fine offers smooth, uniform images with exceptional contrast for better image quality. Based on this new phase-compensation technology, light leakage is eliminated, and, when combined with auto iris, it allows for contrast ratios of up to 1000:1.

With C²Fine

Without C²Fine

Advanced sharpness

Another feature Epson has transferred over from its industry leading home cinema projectors — advanced sharpness for video. Depending on the content, users can adjust any of the following attributes of the image depending on the content: thin line enhancement, thick line enhancement, vertical line enhancement or horizontal line enhancement.

Enhanced connectivity

The Epson G5450WU is equipped with:

- Full digital connectivity with HDMI and DVI-D ports
- 5 BNC, 2 video/audio, 1 x VGA and RS-232 for additional flexibility

Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

Eco Features

- **Energy-efficient 3LCD light engine**
- **Designed to be recycled[3]**

Full-featured performance

DICOM simulation mode

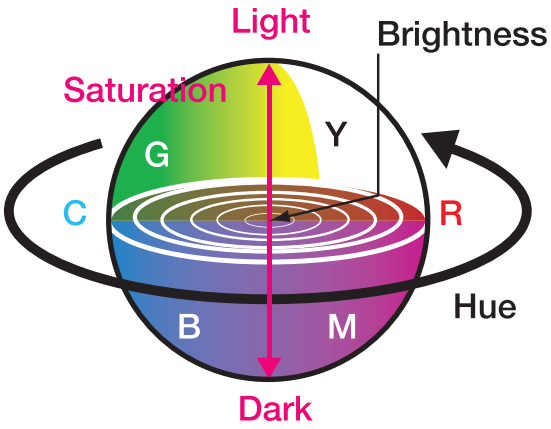
DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.[5]

▲ Normal Mode

▲ DICOM Simulation Mode

6-axis colour adjustment

For special projection material such as high-quality photographs or artwork, users can adjust the hue, saturation and brightness for six colours, RGBCMY (Red, Green, Blue, Cyan, Magenta, Yellow).



Improved video with 3:2 and 2:2 pull-down options

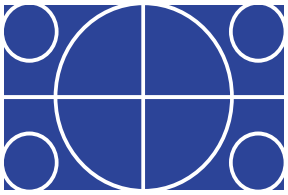
3-2 pull-down creates 60 frames per second and 2-2 pull-down creates 48 frames per second from 24 frames, as shown in the chart.

3-2 pull-down: The image is smoother.

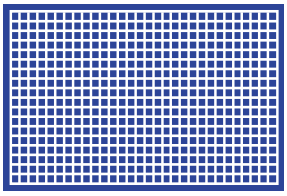
2-2 pull-down: One frame length is the same as film. It is ideal for movies.

Test patterns

The G5450WU also features four test patterns for precise setup, including detecting distortion, checking linearity, colour reproduction and bleeding, and DICOM simulation mode.

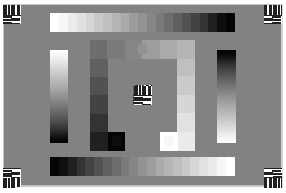


▲ Standard



▲ Cross-Hatch

▲ Colour Bars



▲ Grayscale

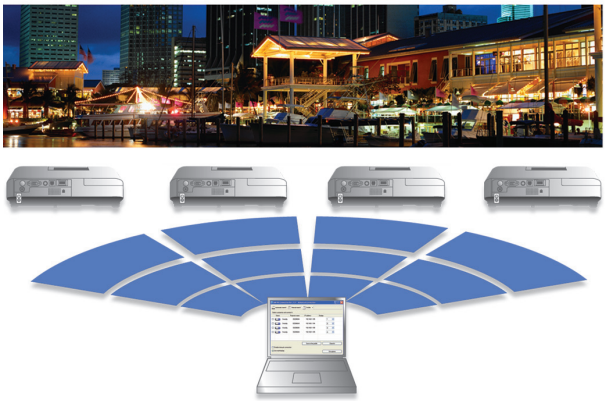
Advanced control, monitoring and communication

Epson's EasyMP® monitor tool

If you are searching for a solution that gives you control over your time, Epson network projectors with Easy Management capabilities can help. Epson networked projectors provide built-in remote access, with no licensing fees, to Epson monitor software. These features give you added control, with the ability to troubleshoot and monitor all Epson networkable projectors from any computer, over a wired or wireless Ethernet network.

Additional features to assist administrators/Help Desk

- Remote access and control through the network
- Remote monitoring of up to 1024 Epson networked projectors
- Simultaneously view status, including input sources, power on/off, lamp life hours and more
- Preventative maintenance features, including temperature levels and error alerts
- Schedule filter and lamp time settings
- E-mail notification (SMTP) to send alerts to your handheld device
- Enterprise SNMP plug-in available

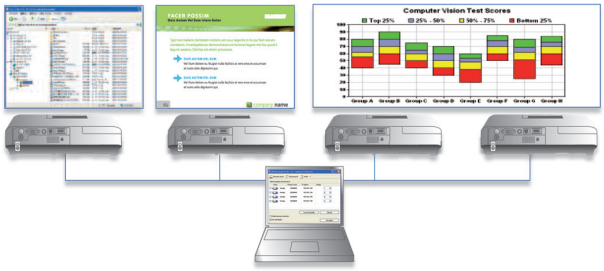


Network projection — content over IP

You can use EasyMP Network Projection to project your computer content through the projector, via a network, for effective meetings, presentations and digital signage applications. You can use either wired or high-security wireless LAN connections and project the same or up to four different images on up to four projectors, or display a panoramic image.

Full networkability

Epson networked projectors can also be accessed from your browser via an internal web page. Whether you assign a static IP address or enable DHCP, the projector becomes accessible once it's integrated in your network. The internal web page lets you control items such as network configuration, projector settings and e-mail alerts.



Message broadcasting

This innovative feature enables you to broadcast customized images/alerts over the network for announcements or instructions. Messages can be sent to up to 1024 projectors simultaneously and will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter. If the projector is off, message broadcasting will turn the projector on and then display the message.

Powerful content management

Split Screen

Split Screen allows you to display content from two inputs simultaneously, side by side, on a single screen with the following features:

- Three layout options, as shown below
- Video and presentation materials displayed simultaneously
- The ability to run video on both screens

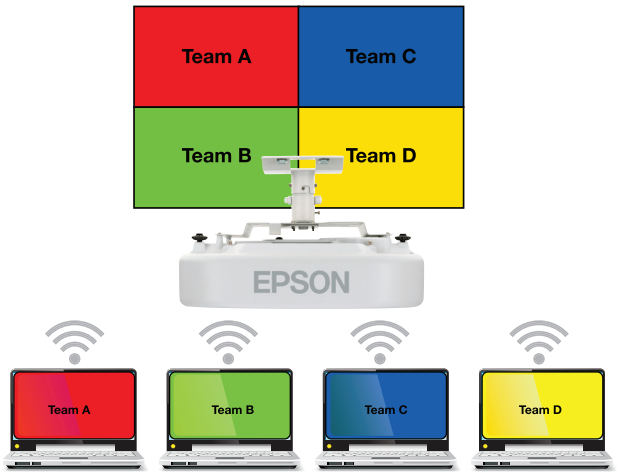
Layout Option-1: 50-50% Split Screen

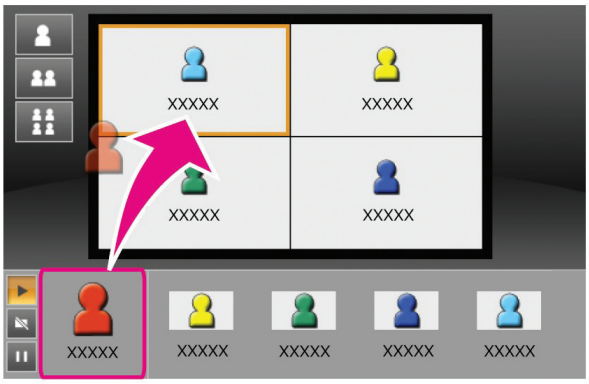
Layout Option-2: Main image on the left

Layout Option-3: Main image on the right

Multi-PC projection

Epson Multi-PC Collaboration utility allows you to display four individual PC screens simultaneously over the network with another 12 users connected to the same projector on Standby mode. You can drag and drop participants into or out of one of the four quadrants. This feature is a great tool for meetings or classroom projects where multiple users want to present and compare their screens. You can also connect up to four remote projectors at the same time and show the same multi-screen image — another great tool for remote meeting setups.





Easy and flexible installations

Centered lens design

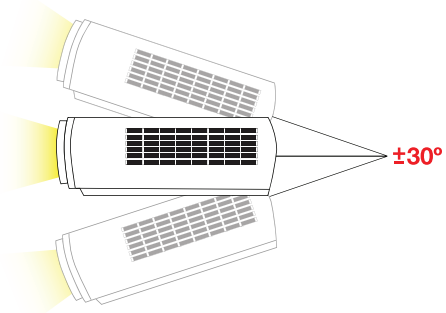
The G5450WU makes installation easy to plan with lens-to-screen alignment. Installers can position the ceiling mount, screen and projector independently of one another, knowing that the center of the screen will align with the lens at the center of the projector.

Five lens options

Remarkable placement flexibility with a 1.8x standard lens (included). For even greater flexibility, Epson offers a total of five lenses with varying ranges, including a rear-throw lens. This allows users to choose the motorized lens most suited for their environment. A quick release lever allows for a quick, easy lens exchange.

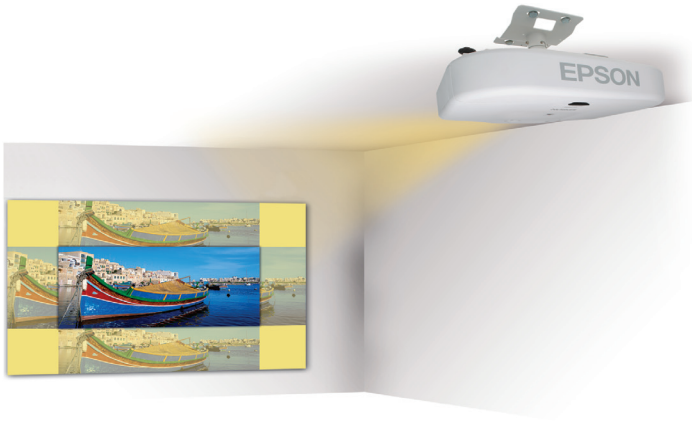
Off-axis, flexible installation

The G5450WU also features a ±30-degree tilt operation for off-axis positioning flexibility. As a result, it can be used for a wide range of applications, such as projecting on angled surfaces. Epson technology keeps the projector running without compromising performance or causing overheating.



Keystone correction

Adjusts up to ±30 degrees vertically and ±20 degrees horizontally to easily achieve a perfect square image.



Epson lens shift technology

In addition to added reliability and amazing colour performance, Epson's industry-leading 3LCD technology enables this projector to achieve a wide range of lens shift capabilities, allowing you to install around obstacles. This lens shift technology enables an incredible range of ±58 percent on the vertical axis and ±9 percent on the horizontal axis.

Quick Corner®

This innovative feature allows you to move any of the four corners of an image independently at setup, using the remote control,for a perfectly rectangular picture.

Low cost of ownership

Long-life lamp that's easy to replace

This high-efficiency lamp lasts up to 2000 hours in Normal Mode and up to 3000 hours in ECO Mode.[6] It can be replaced quickly and easily, without having to uninstall the projector from the ceiling.

Long-life electrostatic air filter

This innovative filter was designed to protect the optical engine, lamp and electronics from small dust particles that can enter any projector. It has a recommended 3000-hour filter cleaning schedule[7] and can capture particles as small as three microns, due in part to its pleated, expanded design.

Built-in 7 W speaker

- For multimedia applications — convenient built-in speaker

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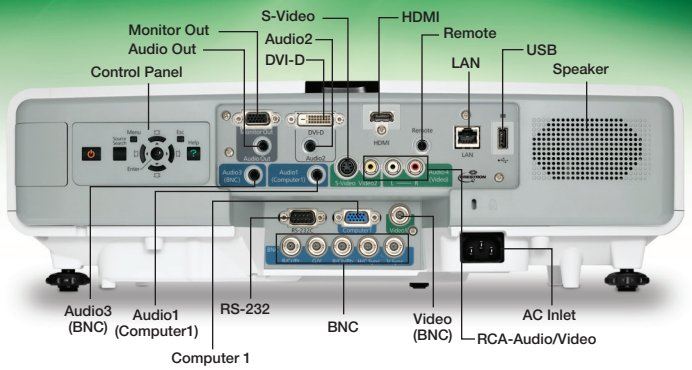
Multimedia Projector

Product Name	Product Code
EB- G5450WU	V11H346053



Specifications

Projection System
High-aperture Epson 3LCD, 3-chip technology
Projection Method
Front/rear/ceiling mount
Driving Method
Epson Poly-silicon TFT Active Matrix
Pixel Number
2,304,000 pixel x 3 LCDs (1920 x 1200)
Native Resolution
1920 x 1200 (WUXGA)
Resize
640 x 480, 800 x 600, 1280 x 1024,
1400 x 1050, 1920 x 1080, 1920 x 1200
Aspect Ratio
Supports 4:3, 16:9, 16:10
Pixel Arrangement
Cross stripe
Colour Light Output[1]
4000 lumens
White Light Output[1]
4000 lumens (ISO 21118 standard)
Contrast Ratio (High Brightness, Dynamic Mode)
1000:1
Brightness Uniformity (typical)
88%
Colour Reproduction
16.7 million colours
Size (projected distance)
30" – 300"
Lens Shift
Vertical: ±58 degrees
Horizontal: ±9 degrees
Keystone Correction
Vertical: ±30 degrees
Horizontal: ±20 degrees
Lamp Type
275 W UHE
Lamp Life[6]
2000 hours (Normal Mode)
3000 hours (ECO Mode)

Effective Scanning Frequency Range

Pixel Clock
13.5 MHz – 162 MHz (up to UXGA 60 Hz)
Horizontal
15 kHz – 92 kHz
Vertical
50 Hz – 85 Hz

Video I/O

Display Performance
NTSC: 560 line
PAL: 560 line
(depends on observation of the multi-burst pattern)
Input Signal
NTSC/NTSC4.43/PAL/M-PAL/N-PAL/
PAL60/SECAM/480i/576i/480p/576p/720p/
1080i/1080p
Pixel works: video chip
3D Y/C separation, noise reduction
motion compensated
Interlace-Progressive conversion
(2 – 2, 3 – 2 film detection)
Interfaces
HDMI x 1
DVI-D x 1
Computer: D-sub 15 pin x 1
Video-1: 5-BNC x 1
Video-2: RCA x 1
Composite video: BNC x 1
S-Video x 1
Audio-in: Mini stereo x 3
Audio-in: RCA (L&R) x 1
Network: RJ-45 x 1, 100 Mbps
USB Type-A x 1
Serial: RS-232c
Hardwire remote jack x 1
Monitor-Out: D-sub 15 pin x 1

Projection Lens

Type
Manual focus/zoom
F-number
1.65 – 2.55
Focal Length
21.28 mm – 37.94 mm
Zoom Ratio
Optical zoom 1.0 – 1.8
Throw Ratio Range
1.30 – 2.36

Other Features

Operating Temperature
0 ˚ to 40 ˚C
Power Supply Voltage
100 – 240 V ±10%, 50/60 Hz AC
Power Consumption
393 W (Normal Mode)
330 W (ECO Mode)
11 W Standby (Communication on)
0.47 W Standby (Communication off)
Fan Noise
35 dB (Normal Mode)
30 dB (ECO Mode)
Security
Security cable hole, lens lock,
Kensington® lock provision

Dimensions (W x D x H)

Including Feet (with standard lens)
470 x 312 x 135mm
Excluding Feet, Lens
470 x 312 x 151mm
Weight 6.8kg

Remote Control

Features
Power, source search selection, computer, video, A/V mute, freeze, user ID, auto, aspect, color mode, num, page up and down, E-zoom, volume, help, menu, enter, esc and pointer functions
Operating Angle
Right/left:
Front: ± 60 degrees
Rear: ± 30 degrees
Upper/lower:
Front: ± 20 degrees
Rear: +10 to +45 degrees
Operating Distance
15m

Support

Service Programs
Three-year limited warranty
What's In The Box
EB-G5450WU projector, power cable, computer cable (VGA), projector remote control with batteries, user manual CD, EasyMP software CD, Quick Setup Sheet, password protection sticker and lens lock screw

Accessory Part Numbers

Genuine Epson lamp	V13H010L62
Replacement air filter	V13H134A17
Wireless LAN 802 11 module	V12H306P11
Standard lens	V12H004S05
Long throw zoom	V12H004L06
Middle throw 1 zoom	V12H004M04
Middle throw 2 zoom	V12H004M05
Rear projectior wide-fixed	V12H004R03
Replacement remote control	1485872
Epson Ceiling mount	V12H003B22
Extension pole 668 to 918mm	V12H003P13
Extension pole 918 to 1168mm	V12H003P14

1 White and colour light output will vary depending on mode selected. White light output measured using ISO 21118 standard.

2 Data source: ProjectorCentral.com Jan 2010. Average of 910 shipping models for which the manufacturers provided lumens and total power data, all resolutions and brightness levels.

3 See our website for convenient and reasonable recycling options at www.epson.com/recycle

4 This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.

5 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

6 Recommended based on normal room conditions. Cleaning requirements may vary depending on use, environment and other conditions. Cleaning intervals may be adjusted to accommodate the environment in which the projector is used.

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